Claims

1. Device for applying a working power to a workpiece, comprising
a working cylinder,
a working piston (9),
an actuation chamber (85) which can be supplied with a hydraulic medium and situated on one side of the piston,
a return chamber (86) which can be supplied with a gaseous medium and situated on the opposing side of the piston,
and
a force transmission device (5) cooperating with the working piston (9).

2. The device according to claim 1, characterised in that
an accumulator (60) communicates with the actuation chamber (85), wherein the hydraulic medium may be stored in the accumulator (60) under pressure.

3. The device according to claim 2, characterised in that
arranged between the accumulator (60) and the actuation chamber (85) is a control valve (63), wherein the hydraulic medium stored in the accumulator (60) under pressure may be fed suddenly via the control valve (63) into the actuation chamber (85).

4. Device according to claims 1 to 3, characterised in that
the workpiece is a connecting rod (2) and the force transmission device (5) is designed such that the workpiece (2) can be crack split.

5. The device according to claim 4, characterised in that
the force transmission device (5) has a locally fixed spreading jaw (3), a movable spreading jaw (4) and a spreading device in the form of a spreading wedge (55) for pushing apart the spreading jaws (3, 4).

6. Device according to the claims 1 to 5, characterised in that
the return chamber (86) includes a discharge device (87) designed such that the gaseous medium may be displaced suddenly from the return chamber (86).